refloating and circulation of the oil particles. conservative factor, the shoreline characteristics have been negated to allow maximum is provided on each map. Shoreline impacts are identified by red markings. As a provided on the map for the time period color key. A legend to the time contour color scale The Spill Trajectory maps display the extent of oiling over a 72-hour period. A scale is

and mixing with the water column. The Predicted Weathering and Fates Graph - Figure 3-5 in this section represents the relative mass balance over the 72-hour period. The model has incorporated weathering effects on the oil and partial loss by evaporation,

Sensitivity Analysis Results

probable spill trajectories. direction vectors representative for the seasons were evaluated creating a range of for the period were categorized into summer and winter seasons. Wind velocity and Seasonal variations have been evaluated through the stochastic model. Historical winds

result in earlier grounding on the shoreline and may result in less travel and shoreline area flow tends to act as a driving function forcing the spill out of the main tidal flow. This can representative of passing winter storm systems. Generally, a strong wind across the tidal fall, the winds are generally light and variable, with occasional stronger winds valley. In the early morning and evening, winds can be light and variable. In the winter or summer, winds are dominated by the prevailing west wind and thermal induction from the Generally, the regional weather has two seasonal conditions, summer and winter. In the

overrun of the contour across the shoreline scale is provided on each map. Shoreline impacts are identified by red markings or by the depicted on color maps delineating contours of oiling probability. A legend to the color various states of tidal currents and seasonal environmental factors. These results are The Spill Contour maps represent a summary of 100 iterations of spill trajectories from

and to the northern reaches of Suisun and Grizzly Bays and along the southeastern shoreline of San Pablo Bay. Impact during the summer is earlier to be during the winter with the increased impact along the shoreline of Carquinez Straits For the Martinez Facility RWCD Spill Risk, the greatest shoreline impact was determined

Shore Mart-3v2

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